

ABSTRACT

A combustion apparatus that can positively control and generate burnt gas recirculation with a simple structure. The combustion apparatus includes an annular container having an inner cylindrical portion forming an inner circumferential side surface, an outer cylindrical portion forming an outer circumferential side surface, an open end, and a close end. A flow of air is formed so as to have a velocity component in the direction of a central axis from the open end to the close end and a velocity component to swirl in a circumferential direction of the annular container. Fuel is injected so as to have a velocity component in the direction of the central axis from the close end to the open end and a velocity component directed radially outward.